



**Metcalf & Eddy**

An Air & Water Technologies Company

April 7, 1999

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EPA Region 5 Records Ctr.



379526

Mr. Sirtaj Ahmed, Remedial Project Coordinator  
U.S. Environmental Protection Agency, Region 5  
Office of Superfund, Remedial & Enforcement Response Branch  
77 West Jackson Boulevard  
Chicago, Illinois 60604-3590

**Subject: Granville Solvents Site Removal Action Quarterly Report - April 1999**

Dear Mr. Ahmed:

On behalf of the Granville Solvents Site PRP Group, Metcalf & Eddy of Ohio, Inc. respectfully submits the Quarterly Report for the Removal Action at the Granville Solvents Site. Copies have been sent to the following individuals:

Mr. Steve Acree, U.S. EPA  
Mr. Mike Anastasio, U.S. EPA  
Mr. Fred Myers, Ohio EPA  
Mr. Joe Hickman, Manager, Village of Granville

If you have questions regarding this submittal, please contact Michael Raimonde or me at (614) 890-5501.

Respectfully,

**METCALF & EDDY OF OHIO, INC.**

Gerald R. Myers  
Vice President/Project Coordinator

cc B. Pfefferle, Chairman - GSS PRP Group  
M. Raimonde, M&E

# GRANVILLE SOLVENTS SITE REMOVAL ACTION QUARTERLY REPORT

APRIL 1999

Pursuant to the requirement set forth in the Administrative Order on Consent (AOC, December 7, 1994) between the U.S. EPA and the Granville Solvents Site (GSS) Potentially Responsible Parties (PRP) Group, in Section 2.5-Reporting, and the letter, dated November 14, 1996, from Ms. Diane Spencer (U.S. EPA), this report constitutes the Quarterly written progress report concerning actions undertaken pursuant to the AOC.

## I. PROGRESS MADE DURING REPORTING PERIOD

### Source Area Groundwater Control

The groundwater pumping and treatment system operated 732 hours in January, 672 hours in February, and 744 hours in March, for a total of 2,160 hours (99.4% of the total time available) during the first quarter of 1999. The treatment system processed approximately 11.6 million gallons of water in January, 10.1 million gallons of water in February and 10.9 million gallons of water in March for a total of 32.6 million gallons of water for the first quarter of 1999. Since operation began, the system has processed more than 550.5 million gallons of water.

M&E continued to perform the scheduled monthly maintenance on the treatment system. This maintenance ensures the system is performing at maximum efficiency and decreases unscheduled downtime. This maintenance included replacing the bag filters, lubricating the transfer pump and blower motors, and maintaining the flow meters and level sensors. M&E performed acid washing of the treatment system on January 19, 1999 to remove build-up of insoluble salts and precipitates. As a result of this washing, removal efficiency increased from 97.7% in December 1998 to 98.8% for January 1999. Removal efficiency remained the same from January 1999 to February 1999 and decreased from 98.8% in February to 97.9% in March. M&E plans to acid wash the treatment system in April 1999. A chart showing the removal efficiency for the treatment system is attached.

Water samples were collected from the system's influent and effluent sampling ports on January 20, February 17 and March 17, 1999. The analytical results are presented in Table 1.

TABLE 1

VOCs	Influent January	Effluent January	Influent February	Effluent February	Influent March	Effluent March
1,1,1-trichloroethane	26 ug/l	0.21 ug/l	26.3 ug/l	0.22 ug/l	25.2 ug/l	0.3 ug/l
cis-1,2-dichloroethene	3.5 ug/l	ND	4.0 ug/l	ND	4.0 ug/l	0.33 ug/l
Tetrachloroethane	27.9 ug/l	0.23 ug/l	30.7 ug/l	0.3 ug/l	29.4 ug/l	0.41 ug/l
Trichloroethene	30.2 ug/l	0.59 ug/l	35.0 ug/l	0.66 ug/l	34.5 ug/l	0.95 ug/l
1,1-dichloroethane	0.35 ug/l	ND	0.39 ug/l	ND	0.44 ug/l	ND
carbon tetrachloride	ND	ND	ND	ND	ND	ND

Extraction well GSS-EW1 was operated at an average flow rate of approximately 131 gallons per minute (gpm) during the first quarter of 1999. The flow rate from GSS-EW2 averaged 120 gpm over the quarter. The total pumping rate has averaged 251 gpm for the first quarter of 1999.

The results of the sample analyses listed in Table 1 represent typical influent and effluent concentrations at the GSS, and M&E has recorded that approximately 32.6 million gallons of water were processed for the first quarter of 1999. Based on these data, total VOCs of approximately 0.35 lb/day in January, 0.33 lb/day in February, and 0.35 lb/day in March were discharged to the atmosphere during this reporting period.

#### Groundwater Monitoring Plan

Groundwater level measurements were collected on January 20, February 17, and March 17, 1999, as specified in the Groundwater Monitoring Plan and will be used to develop potentiometric surface maps. A quarterly sampling event for VOCs was conducted in February 1999.

#### Source Area Soils

Further action on the source area soils is on hold pending finalization and approval of the EE/CA.

#### Active or Completed Tasks

The following specific tasks were completed during the reporting period:

- Collected water samples on January 20, February 17, and March 17, 1999, from the treatment system influent and effluent sampling ports.
- Collected water level measurements on January 20, February 17, and March 17, 1999.
- Acid-washed the air stripper on January 19, 1999.
- Quarterly groundwater sampling was conducted in February 1999.

## **II. DELIVERABLES (THIS PERIOD AND NEXT PERIOD)**

### **CURRENT PERIOD:**

<u>Deliverable</u>	<u>Due Date</u>	<u>Delivered</u>
Quarterly Report	April 7, 1999	April 7, 1999

### **NEXT PERIOD:**

<u>Deliverable</u>	<u>Due Date</u>	<u>Delivered</u>
Quarterly Report	July 7, 1999	